



PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ivan Osorio et al

Group Art Unit:

Appln. No.: 10/683,647

Confirmation No.:

Filing Date: October 10, 2003

For: MULTIMODAL SYSTEM FOR DETECTION AND CONTROL OF CHANGES
IN BRAIN STATE

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
AND ASSOCIATED DOCUMENTS

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FINANCE SECTION

Enclosed herewith are the following for the above-referenced patent application:

[X] Information Disclosure Statement Form PTO-1449 and 19 references. No Office

Action has been issued in regard to this application.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class or priority mail, postage prepaid, in an envelope addressed to: Mail Stop Patent Applications, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450 on November 3, 2003.

Donald R. Schoonover



FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1093003	SERIAL NO. 10/683,647
LIST OF PRIOR ART CITED BY APPLICANT		APPLICANT Ivan Osorio et al	
		FILING DATE October 10, 2003	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	6,190,378 B1	02/2001	Jarvinen			
	AB	6,248,126 B1	06/2001	Lesser et al			
	AC	6,549,804 B1	04/2003	Osorio et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AD							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AE		Topographic and Toposcopic Study of Origin and Spread of the Regular Synchronized Arousal Pattern in the Rabbit, by H. Petsche and Ch. Stumpf, <i>Electroenceph. Clin. Neurophysiol.</i> , 12:589-600 (1960)
	AF		Étude sur Modèle des Méthodes de Détection EEG, by L. Jami, A. Fourment. J. Calvet et M. Thieffry, <i>Electroenceph. Clin. Neurophysiol.</i> , 24:130-145 (1968)
	AG		The Significance of the Cortex for the Travelling Phenomena of Brain Waves, by H. Petsche and J. Sterc, <i>Electroenceph. Clin. Neurophysiol.</i> , 25:11-22 (1968)
	AH		Influence of Cortical Incisions on Synchronization Pattern and Travelling Waves, by H. Petsche and P. Rappelsberger, <i>Electroenceph. Clin. Neurophysiol.</i> , 28:592-600 (1970)
	AI		Properties of Cortical Seizure Potential Fields, by H. Petsche, P. Rappelsberger and R. Trappl, <i>Electroenceph. Clin. Neurophysiol.</i> , 29:567-578 (1970)
	AJ		Cerebral Cortex: Cytoarchitecture and Electrophysiology, by Elliott M. Marcus, In: "An Introduction to the Neurosciences," by B. A. Curtis, S. Jacobson and E. M. Marcus, Ch. 20, pp. 447-482, W. B. Saunders, Philadelphia (1972)
	AK		Exacerbation of Seizures in Children by Carbamazepine, by O. Carter Snead, III, and Lynn C. Hosey, <i>The New England Journal of Medicine</i> , 313(15):916-921 (1985)
	AL		Antiepileptic Drug Intoxication: Factors and Their Significance, by Ramon Manon-Espaillet, Thomas H. Bernstine, Bernd Remler, Ronald C. Reed and Ivan Osorio, <i>Epilepsia</i> , 32(1):96-100 (1991)
	AM		Kindling-Induced Potentiation in the Piriform Cortex, by R. J. Racine, K. A. Moore and C. Evans, <i>Brain Research</i> , 556:218-225 (1991)
	AN		Stimulus-Dependent, Reciprocal Up- and Downregulation of Glutamic Acid Decarboxylase and Ca ²⁺ /Calmodulin-Dependent Protein Kinase II Gene Expression in Rat Cerebral Cortex, by F. Liang, P. J. Isackson and E. G. Jones, <i>Exp. Brain Research</i> , 110:163-174 (1996)
	AO		Do Antiepileptic Drugs Exacerbate Seizures?, by Pierre Loiseau, <i>Epilepsia</i> , 39(1):2-4 (1998)
	AP		Antiepileptic Drugs as a Cause of Worsening Seizures, by E. Perucca, L. Gram, G. Avenzini and O. Dilac, <i>Epilepsia</i> , 39(1):5-17 (1998)
	AQ		Effects of Applied Currents on Spontaneous Epileptiform Activity Induced by Low Calcium in the Rat Hippocampus, by R. James Warren and Dominique M. Durand, <i>Brain Research</i> , 806:186-195 (1998)
	AR		Refractory Idiopathic Absence Status Epilepticus: a Probable Paradoxical Effect of Phenytoin and Carbamazepine, by Ivan Osorio, R. C. Reed and Jill N. Peltzer, <i>Epilepsia</i> , 41(7):887-894 (2000)
	AS		Mechanisms of Deep Brain Stimulation: Excitation or Inhibition, by Jerrold L. Vitek, <i>Movement Disorders</i> , 17(3), S69-S72 (2002)
	AT		Mechanisms of Deep Brain Stimulation, by Alim L. Benabid, Abdelhamid Benazzous and Pierre Pollak, <i>Movement Disorders</i> , 17(3), S73-S74 (2002)

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	